

Recombinant Human F11 Receptor, His-tagged

Cat. No. F11R-788H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human F11R protein (Gln 24- Tyr 213), fused with the His tag at the N-terminus, was expressed in <i>Human Cells</i> .
Species	Human
Source	Human Cells
Protein Length	24-213 a.a.
Description	As a type transmembrane receptor belonging to the immunoglobulin superfamily, the human JAM-A, also known as platelet adhesion molecule 1 (PAM-1) and platelet F11 receptor, is the firstly identified member of the Junctional Adhesion Molecule (JAM) family comprising at least three members. JAM-A is specifically localized in tight junctions of epithelial and endothelial cells and is involved in the regulation of junctional integrity and permeability by serving as a physical barrier in a homophilic manner. JAM-A is also expressed on the surface of hematopoietic cells, such as platelets and leukocytes, and acts as a ligand for integrin LFA-1 or a platelet receptor, consequently plays key roles in a variety of cellular processes, including platelet aggregation, leukocyte transmigration, and angiogenesis. In addition, JAM-A has also been implicated in the attachment of reovirus that causes diarrhea in human.
Molecular Mass	The mature recombinant human JAM-A/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer comprises 453 amino acids and has a calculated molecular mass of 50 kDa. As a result of glycosylation, the rh JAM-A/Fc monomer

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	migrates as an approximately 61kDa protein in SDS-PAGE under reducing conditions.
Predicted N Terminal	Ser 28.
Purity	> 95% as determined by SDS-PAGE.
Formulation	Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH7.5.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Storage And Stability	Samples are stable for up to twelve months from date of receipt at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	F11R F11 receptor [Homo sapiens]
Synonyms	F11R; F11 receptor; JAM; KAT; JAM1; JAMA; JCAM; CD321; PAM-1; junctional adhesion molecule 1; Junctional adhesion molecule A; JAM-A; Junctional adhesion molecule 1; Platelet adhesion molecule 1; JAM-1; OTTHUMP00000027880; OTTHUMP00000027881; CD321 antigen; Platelet F11 receptor
Gene ID	50848
mRNA Refseq	NM_016946

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Protein Refseq	NP_058642
MIM	605721
UniProt ID	Q9Y624
Chromosome Location	1q21.2-q21.3
Pathway	Cell adhesion molecules (CAMs); Epithelial cell signaling in Helicobacter pylori infection; Leukocyte transendothelial migration; Tight junction; Cell-cell adhesion systems; Hemostasis; Integrin cell surface interactions; Signaling in Immune system
Function	protein binding
PDB rendering based on 1nbq	